IAP12 Rec'd PCT/PTO 0 6 APR 2007

ATTORNEY'S DOCKET NO. TRANSMITTAL LETTER TO THE UNITED STATES 1019519-000536 **DESIGNATED/ELECTED OFFICE (DO/EO/US)** U.S. APPLICATION No. (If known) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 10/584,462 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 25 December 2003 PCT/JP2004/019656 21 December 2004 TITLE OF INVENTION POLARIZING PLATE AND LIQUID CRYSTAL DISPLAY APPLICANT(S) FOR DO/EO/US Hiroaki SATA, Tadashi ITO, and Yosuke NISHIURA (deceased) by Takako NISHIURA as Legal Representative Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must 3. include items (5), (6), (9) and (21) indicated below. 4. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). a. 🔲 b. 🔲 has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) 6. a. 🔲 is attached hereto. b. 🗌 has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). a. 🔲 have been communicated by the International Bureau. b. 🗍 c. 🔲 have not been made; however, the time limit for making such amendments has NOT expired. d. □ have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under 10. 🔲 PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is 12. included. 13. 🔲 A preliminary amendment. 14. An Application Data Sheet under 37 CFR 1.76. 15. 🔲 A substitute specification. 16. 🔲 A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. 🔲 A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 19. 🔲 20. Other items or information: Notification of Missing Requirements dated March 23, 2007

| U.S. APPLICATION NO. (If known) | | | | own) | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NO. | | |
|--|---|---------------|----------------------|--------------------------|--|--------------------|------------------------|-----------------|-------------|
| 10/584,462 | | | | | | | 1019519-000536 | | |
| The follows | | | | | | | CALCULATION | S PTO USE ONLY | |
| The following fees have been submitted: 21. Basic National fee (37 CFR 1.492(a)) (1631) \$ 300 | | | | | \$ | 0 | | | |
| | | | | | | Φ | <u> </u> | | |
| | | | • | | by ISA/US or the interna | tional preliminar | , | | |
| e | xamin | ation | report pr | epared b | y IPEA/US indicates all o | laims satisfy pro | visions of | | |
| PCT Article 33(1)-(4) (1643) \$ 0 | | | | | | | | | |
| All other situations (1633) \$ 200 | | | | | | \$ | 0 | | |
| 1 | | | | 1.492(b)) | U.C. on the international | | lastica | | |
| | | | | | VUS or the international dicates all claims satisfy | | | | |
| 3 | 3(1)-(4 | ١) (١ | • | | _ | (1 | 640) \$ 0 | | } |
| S | Search | fee (| 37 CFR | 1.445(a)(i | 2)) has been paid on the nal Searching Authority | | olication 1) \$ 100 | | |
| | | | | | epared by an ISA other t | | | | |
| to | o the C | ffice | or previo | ously com | municated to the US by | the IB (164 | 2) \$ 400 | | |
| А | All othe | r situ | ations | | | (163 | 2) \$ 500 | \$ | 0 |
| | | | 21, 22 Al | | | | | \$ | 0 |
| A | Addition | nal fe | e for spe | cification | s and drawings filed in pa | aper over 100 sh | eets | | |
| | exciuai comput | ng s er or | equence ogram lis | ilsung in iting in ar | compliance with 37 CFR electronic medium) (37 | CFR 1.492(i)). | ı | | |
| | | | | 1) for ea | ch additional 50 sheets o | f paper or fractio | n thereof. | | |
| Total Sheet | ts | Extra | a Sheets | | of each additional 50 or fraction round up to a whole number) | RATE | | | |
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| CLAIMS | tion arte | er tne | NUMBE | | nent of the national stage (3) NUMBER EXTRA | 7 CFR 1.492(n)). | | \$ 130.0 | 70 |
| Total claims | <u> </u> | | 0 | - 20 = | 0 | x \$ 50 (1615) | | \$ | 0 |
| Independer | | ns. | 0 | -3= | 0 | x \$ 200 (1614) | | \$ | 0 |
| · · · · · · · · · · · · · · · · · · · | | | | | cable) | + \$ 360 (1616) | | \$ | 0 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$ 360 (1616) TOTAL OF ABOVE CALCULATIONS = | | | | | | | \$ 130.0 | | |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2 | | | | | | | 130. | 0 | |
| SUBTOTAL = | | | | | | \$ 130.0 | | | |
| Processing fee of \$ 130 (1618) for furnishing the English translation later than 30 months from the | | | | | | 100. | | | |
| earliest clai | | | | CFR 1.492 | (i)). | ···· | + | 100 | 0 |
| TOTAL NA | | | | signment | 37 CFR 1.21(h)). The assig | nment must be ac | companied | \$ 130.0 | 00 |
| by an appro | opriate | cover | sheet (37 | CFR 3.28 | , 3.31).\$ 40 per property | | + | | 0 |
| TOTAL FE | ES EN | CLOS | ED = | | | | | \$ 130.6 | 00 |
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| | b. Please charge my Deposit Account No. 02-4800 in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | | | | |
| The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any | | | | | | | | | |
| overpayment to Deposit Account No. 02-4600. A duplicate copy of this sheet is enclosed. | | | | | | | | | |
| d. 23 Sharge <u>4-10-30</u> to drouk data. 1 Shiri 10 2000 is all as 100. | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met,64 petition to revive (37 CFR 4.487(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | | | |
| SEND ALL | . CORI | RESI | PONDEN | ICE TO: | | Pober | -d. 1 | Muhan - | |
| Customer No 21839 SIGNATURE | | | | | | | | | |
| P.O. Box 1 Alexandria | | 2313 | -1404 | | | | | | |
| 703 836 66 | | | | | | Robert G. Muka | <u>i</u> | | 28531 |
| Date: April 6, 2007 | | | | | R | EGISTRATION NO. | | | |

INTERNATIONAL APPLICATION NO.

ATTORNEY'S DOCKET NO.

ATTORNEY'S DOCKET NO. TRANSMITTAL LETTER TO THE UNITED STATES 1019519-000536 DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION No. (If known) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** 10/584,462 PRIORITY DATE CLAIMED INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. 25 December 2003 21 December 2004 PCT/JP2004/019656 TITLE OF INVENTION POLARIZING PLATE AND LIQUID CRYSTAL DISPLAY APPLICANT(S) FOR DO/EO/US Hiroaki SATA, Tadashi ITO, and Yosuke NISHIURA (deceased) by Takako NISHIURA as Legal Representative Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. 🔯 This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must 3. include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 4. 🔲 A copy of the International Application as filed (35 U.S.C. 371(c)(2)) 5. is attached hereto (required only if not communicated by the International Bureau). a. 🔲 has been communicated by the International Bureau. b. 🔲 is not required, as the application was filed in the United States Receiving Office (RO/US). c. 🔲 An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) 6. 🔲 a. 🔲 is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). b. 🗌 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). a. 🔲 have been communicated by the International Bureau. b. □ have not been made; however, the time limit for making such amendments has NOT expired. c. 🗌 have not been made and will not be made. d. 🔲 An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 9. An English language translation of the annexes of the International Preliminary Examination Report under 10. 🔲 PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is 12. included. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 14. 🔲 15. 🗀 A substitute specification. A power of attorney and/or change of address letter. 16. 🔲 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 17. 🗀 A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. 🔲 A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 19. 🔲 Other items or information: Notification of Missing Requirements dated March 23, 2007

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| U.S. APPLICAT | ON NO. (If kno | own) | INTERNATIONAL APPL | ICATION NO. | TION NO. ATTORNEY'S DOCKET NO. | | | CKET NO. |
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| U.S. APPLICATION NO. (If known) 10/584,462 | | | | | | 1019519-000536 | | |
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| The following fees have been submitted. | | | | | | | FIO USE ONET | |
| 21. Basic National fee (37 CFR 1.492(a)) (1631) \$ 300 | | | | | \$ | 0 | | |
| 22. Exami | nation fee (37 | CFR 1.49 | 2(c)) | ional proliminary | | | | |
| If the v | If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of | | | | | | | |
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| | | EA/UŞ ir | dicates all claims satisfy | provisions of PCT Ar (1640) | ticle | | | |
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| to the | USPTO as an | Internatio | nal Searching Authority | (1641) \$ | 100 | | | |
| Interna | ational Search | Report pr | epared by an ISA other the | nan the US and provi he IB (1642)\$ | ided : 400 | | | |
| | Office or previo | ously con | municated to the US by t | (1632) \$ | | \$ | 0 | |
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| I ☐ Compi | iter program lis | sting in ar | i electronic medium) (37 (| CFR 1.492(j)). | _ | | | |
| The fe | e is \$ 250 (168 | 31) for ea | ch additional 50 sheets of of each additional 50 or fraction | | ereot. | l | | |
| Total Sheets | Extra Sheets | thereof | round up to a whole number) | RATE | | | | |
| 0 -100 = | 0 /50 = | 0 | | x \$ 250 | | \$ | 0 | |
| Surcharge of ■ | \$ 130 (1617) for | furnishing | any of the search fee, examnent of the national stage (37 | ination fee, or the oath | or | S | 130.00 | |
| CLAIMS | | R FILED | NUMBER EXTRA | RATE | | 1 | | |
| | 0 | - 20 = | 0 | x \$ 50 (1615) | | \$ | 0 | |
| Total claims | | | | x \$ 200 (1614) | | | 0 | |
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| MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$ 360 (1616) | | | | | | \$ | 0_ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | | \$ | 130.00 | |
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| SUBTOTAL = | | | | | | \$ | 130.00 | |
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| | | 011(1.432 | \(\frac{1}{1}\): | · | | \$ | 130.00 | |
| TOTAL NATIONAL FEE = Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied | | | | | | | | |
| by an appropriat | e cover sheet (3 | 7 CFR 3.2 | 3, 3.31).\$ 40 per property | <u>+</u> | | | 0 | |
| TOTAL FEES E | NCLOSED = | | | | | \$ | 130.00 | |
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| b. Please charge my Deposit Account No. 02-4800 in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | | | | |
| — The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any | | | | | | | | |
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| NOTE: Where (b)) must be fi | an appropriated and grante | te time li ed to res | mit under 37 CFR 1.495 tore the International Ap | oplication to pendin | g stat | us. | | 31 1(1.13) (u) 3 |
| SEND ALL CO | RRESPONDE | NCE TO: | | Pober / | 1. | Mul | - - | |
| Customer No P.O. Box 1404 | | | | SIGNATURE | | | | |
| Alexandria, VA | | | | , | | | | 20524 |
| 703 836 6620 | | | | Robert G. Mukai | | | | 28531 |
| Date: April 6, 2 | 2007 | | | NAME | | | KEG- | |



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspic.gov

| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATT | ATTY. DOCKET NO. | | |
|---------------------------------|-----------------------|--|------------------|--|--|
| 10/584,462 | Hiroaki Sata | 1019519-000536 INTERNATIONAL APPLICATION NO. | | | |
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| • | _ | РСТ/ЈР04/19656 | | | |
| 21839 | | I.A. FILING DATE | PRIORITY DATE | | |
| BUCHANAN, INGERSOLL & ROONEY PC | _ | 12/21/2004 | 12/25/2003 | | |

21839 BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404

CONFIRMATION NO. 3316
371 FORMALITIES LETTER

OC000000023054786

Date Mailed: 03/23/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

Copy of the International Application filed on 06/22/2006

- Copy of the International Search Report filed on 06/22/2006
- Preliminary Amendments filed on 06/22/2006
- Information Disclosure Statements filed on 06/22/2006
- U.S. Basic National Fees filed on 06/22/2006
- Priority Documents filed on 06/22/2006

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BUCHANAN INGERSOLL PC

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The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Surcharge.

DE 5-23-07

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

ANITA D JOHNSON

Telephone: (703) 308-9140 EXT 226

PART 1 - ATTORNEY/APPLICANT COPY

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| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
| 10/584.462 | PCT/JP04/19656 | 1019519-000536 |

FORM PCT/DO/EO/905 (371 Formalities Notice)